

FORM PTO-1449		DOCKET NUMBER		APPLICATION NUMBER		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		NPW 318				
		APPLICANTS DAVID J. EDLUND and WILLIAM A. PLEDGER				
		FILING DATE August 13, 2001		GROUP ART UNIT		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
n	4,349,613	9/14/1982	Winsel			
n	4,583,583	4/22/1986	Wittel, deceased			
n	4,657,828	4/14/1987	Tajima			
n	4,659,634	4/21/1987	Struthers			
n	5,200,278	4/6/1993	Watkins et al.			
n	5,229,222	7/20/1993	Tsutsumi et al.			
n	5,366,818	11/22/1994	Wilkinson et al.			
n	5,366,821	11/22/1994	Merritt et al.			
n	5,432,710	7/11/1995	Ishimaru et al.			
n	Re. 35,002	7/25/1995	Matsubara et al.			
n	5,527,632	6/18/1996	Gardner			
n	5,771,476	6/23/1998	Mufford et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
n	GB 1037423	5/13/1963	UK			X
n	JP 4-338101	11/1992	Japan			X
OTHER DOCUMENTS						
n		English abstract of Japanese Patent No. 6176779, <del>1994</del> 6/1994				
n		English abstract of Japanese Patent No. 57-145276, <del>1982</del> 9/1982				
EXAMINER			DATE CONSIDERED			
J. Lynn			4.9.04			

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
n	5,795,666	8/18/1998	Johnssen	—	—	
n	5,798,186	8/25/1998	Fletcher et al.	—	—	
n	5,833,723	11/10/1998	Kuwabara et al.	—	—	
n	5,861,137	1/19/1999	Edlund	—	—	
n	5,991,670	11/23/1999	Mufford et al.	—	—	
n	5,997,594	12/7/1999	Edlund et al.	—	—	
n	6,103,410	8/15/2000	Fuller et al.	—	—	
n	6,221,117	4/24/2001	Edlund et al.	—	—	

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO	
n	WO 00/02282	1/2000	WIPO	—	—	X	
n	EP 1065741 A2	1/3/2001	EPO	—	—	X	

## OTHER DOCUMENTS

n		English abstract of Japanese Patent No. 4-163860, 6/1992	②
n		English abstract of Japanese Patent No. 4-338101, 11/1992	②
n		Jørgensen, S. Lægsgaard, et al., "Application of Pd-Membranes for the Production of Pure Hydrogen in Methanol-Based Fuel Cell Powered Vehicles," Proceedings of Fourth Workshop: Optimisation of Catalytic Membrane Reactor Systems, ESF Network, Catalytic Membrane Reactors, Oslo, Norway, pp. 51-57 (May 30-31, 1997).	
n		Yang, Ralph T., "Gas Separation by Adsorption Processes," pp. 253-60, Butterworth Publishers, 1987.	

EXAMINER <i>J. Lye</i>	DATE CONSIDERED 4.9.04
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SHEET 1 OF 1

FORM PTO-1449		DOCKET NUMBER		APPLICATION NUMBER		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		NPW 318		09/929,280		
		APPLICANTS DAVID J. EDLUND and WILLIAM A. PLEDGER				
		FILING DATE August 13, 2001		GROUP ART UNIT 1745		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL DATE IF APPROP.
N	6,395,405	5/28/2002	Buxbaum			
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RECEIVED SEP - 5 2002 TO 1700 MAIL ROOM						
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER			DATE CONSIDERED			
J. Luper			4.9.04			



SHEET 1 OF 1

FORM PTO-1449		DOCKET NUMBER NPW 318		APPLICATION NUMBER 09/929,280		
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		FILING DATE August 13, 2001		GROUP ART UNIT 1745		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
N	5,928,805	7/27/1999	Singh et al.	-		
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
	OTHER DOCUMENTS					
EXAMINER <i>[Signature]</i>			DATE CONSIDERED 4.9.04			